AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior listings and versions:

1 to 56. (canceled).

57. (currently amended): A cell comprising a complex between

a ~~non-naturally occurring~~ zinc finger protein comprising 3 or more zinc finger domains, wherein the zinc finger domains comprise a non-naturally occurring recognition helix and

chromosomal cellular chromatin;

wherein the zinc finger protein is bound to a target site in a region of the cellular chromatin that is sensitive to digestion with DNAseI.

58-67. (canceled)

68. (previously presented): The cell of claim 57, wherein the zinc finger protein is encoded by a nucleic acid introduced into the cell.

69. (previously presented): The cell of claim 57, wherein the cell is a plant cell.

70. (previously presented): The cell of claim 57, wherein the cell is an animal cell.

71. (previously presented): The cell of claim 57, wherein the cell is a human cell.

72-90. (canceled)

91. (withdrawn) A method for forming a cell comprising a complex according to claim 57, wherein the method comprises:

(a) identifying a region of the cellular chromatin that is sensitive to digestion with DNAseI;

(b) identifying a target site for the zinc finger protein within the region that is sensitive to digestion with DNAseI; and

(c) introducing the zinc finger protein into the cell;

whereby the zinc finger protein binds to the target site.

92-95. (canceled).

96. (withdrawn) The method according to claim 91 wherein the zinc finger protein is encoded by an nucleic acid introduced into the cell.

97. (withdrawn) The method according to claim 91, wherein the cell is a eukaryotic cell.

98. (withdrawn) The method according to claim 97, wherein the cell is a plant cell.

99. (withdrawn) The method according to claim 97, wherein the cell is a mammalian cell.

100. (withdrawn) The method according to claim 99, wherein the cell is a human cell.

101. (withdrawn) The method according to claim 91, wherein the binding site is in a coding region.

102. (withdrawn) The method according to claim 91, wherein the binding site is in a non-coding region.